

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

FINAL

Conditional Major, Construction / Operating

Permit: F-07-004

Ticona Polymers, Inc.

Florence, KY 41042

August 6, 2007

Ralph Gosney, Reviewer

SOURCE ID: 21-015-00043

SOURCE A.I. #: 259

ACTIVITY ID: APE20060001

SOURCE DESCRIPTION:

Ticona Polymers, Inc. compounds plastic resins, which consists of mixing of additives and chemicals with a raw polymer resin to impart different physical and chemical properties. Primary emission units include tote loading stations, Henschel mixers, and extrusion. Insignificant activities primarily consist of material and product handling activities. The Standard Industrial Classification (SIC) Code for this source is 3087, *Custom Compounding of Purchased Plastics Resins*.

Potential emissions of particulate matter less than ten (10) microns (PM₁₀), single hazardous air pollutants (HAPs) and the combination of HAPs are greater than major source thresholds. To preclude the applicability of 401 KAR 52:020, *Title V Permits*, the source has requested voluntary federally enforceable permit limits below major source thresholds. Therefore, the source is subject to the provisions of 401 KAR 52:030, *Federally-Enforceable Permits for Nonmajor Sources*.

PUBLIC, EPA, AND AFFECTED STATE REVIEW:

On July 5, 2007, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in *The Boone County Recorder* in Florence, Kentucky. The public comment period expired 30 days from the date of publication.

Comments were received from Ticona Polymers, Inc. on July 27, 2007. Minor changes were made to the permit as a result of the comments received, however the Division has concluded that the proposed operation will comply with all air quality regulations and requirements. The permit is now being issued final.